

ABSTRACT OF THE DISCLOSURE

A structural forming assembly comprises wall molding panels for forming laterally spaced, opposed molding surfaces that define a wall mold cavity for forming a wall structure. The wall panels are vertically disposed and laterally spaced to provide the molding surfaces along opposed sides of the wall mold cavity. Reinforcement rod suspending grid elements attached to the opposed wall forming panels are for freely positioning and retaining horizontally and freely disposed reinforcement rods at a preselected horizontal location spaced inwardly from each opposed molding surface within the mold cavity, and at spaced preselected vertical locations between the molding surfaces. The rod suspending elements are effective to retain reinforcement rods in place at the preselected horizontal and vertical locations while the hardenable material is being poured into an upwardly directed top mold opening and allowed to harden within the wall mold cavity. The invention includes a fixed construction that comprises a monolithic building structure including a floor slab having a top surface, and an upper building portion having a ceiling slab and a wall structure, which extends along the floor top surface in a room layout of a building in accord with a preselected floor plan. Rebar rods disposed within the floor and ceiling slabs extend in two horizontal directions that are perpendicular with respect to each other. Vertically disposed reinforcement rods in inner and outer wall segments are coextensive with corresponding horizontally disposed reinforcement rods to produce a reinforcement rod cage structure disposed within the hardened floor slab, outer building wall structure, and ceiling slab.